Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled)

2. (new) A method for adjustment of a rotation rate sensor having a vibration gyro, a first input and a first output of the vibration gyro being part of a primary control loop which excites the vibration gyro by supplying an excitation signal to the first input at a natural frequency of the vibration gyro, a second input and a second output of the vibration gyro being part of a secondary control loop, said method comprising the steps of:

tapping an output signal from the second output, and demodulating the tapped output signal, after amplification and analog/digital conversion, to form an in-phase component and a quadrature component;

modulating the in-phase and quadrature components, after filtering, and combining the modulated in-phase and quadrature components to form a driver signal;

supplying the driver signal to the second input;

deriving a rotation rate signal from the in-phase component;

adding correction values to the in-phase component and quadrature component when the vibration gyro is not moving;

varying the correction values and performing the step of adding with the varied correction values until the in-phase components and the quadrature components are each at a minimum value; and

after said step of varying, storing the correction values which generate the minimum value of the in-phase and quadrature components in a non-volatile memory and using the stored correction values during operation of the rotation rate sensor.

3.   (new) The method of claim 2, wherein said step of using the stored correction values comprises retrieving the stored correction values from the non-volatile memory and adding the stored correction values to the in-phase and quadrature components during operation of the rotation rate sensor.